

Amendments to the specification:

Page 15, please replace the first complete paragraph with the following new paragraph:

After application of each prime coat, intermediate coat, and back-up coat, portions of vertical sides 5 and lateral sides ~~1A~~ 1B of pattern 1 are scraped to remove the coats and stucco to produce a ceramic shell mold 10 as shown in Fig. 2. The ceramic shell mold 10 again is dipped into the refractory slurry to provide a seal coating on the pattern. The seal coated, ceramic shell mold 10 is dried at 75 °F overnight. The resulting dried, ceramic shell produced is immersed in boiling water to remove pattern 1. The resulting dewaxed, dried, green ceramic shell 20, shown in Fig. 3, is cut in half lengthwise, and dried at 75 °F for 4 hours.

Page 19, please replace the fourth complete paragraph with the following new paragraph:

After application of each prime coat and back-up coat, portions of vertical sides 5 and lateral sides ~~1A~~ 1B of pattern 1 are scraped to remove the coats to produce a ceramic shell mold 10 as shown in Fig. 2. The ceramic shell mold 10 again is dipped into the refractory slurry to provide a seal coating on the pattern. The seal coated, ceramic shell mold 10 is dried at 75 °F overnight. The resulting dried, ceramic shell produced is immersed in boiling water to remove pattern 1 to produce a dewaxed, dried, green ceramic shell. The green shell mold then is fired at 1850 °F to produce a fired ceramic shell mold.

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By John A. Parrish

9 Pages
Urgent

DET. NO. : 807-8601

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Vandemuer, J.

SERIAL NO. 10/005881

FILED: November 8, 2001

FOR: Investment Casting Mold and
Method of Manufacture

Art Unit: 1725

Examiner: K.Y. Liu

Assistant Commissioner for Patents
Washington, D.C. 20231

AMENDMENT UNDER 37 C.F.R. 1.312

In response to the examiners amendment dated October 1, 2003, kindly amend
this application without prejudice under 37 C.F.R. 1.312 as follows:

Remarks begin on page 9 of this paper.

Listing of claims begins on page 2 of this paper.